



(12) **United States Patent**  
**Joyes et al.**

(10) **Patent No.:** **US 9,126,119 B2**  
(45) **Date of Patent:** **Sep. 8, 2015**

(54) **COMBINATION COMPUTING DEVICE AND  
GAME CONTROLLER WITH FLEXIBLE  
BRIDGE SECTION**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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5,967,898 A 10/1999 Takasaka et al.  
5,976,018 A 11/1999 Druckman  
6,290,565 B1 9/2001 Galyean, III et al.  
6,710,764 B1 3/2004 Burgel et al.  
7,200,702 B2 4/2007 Keely et al.  
7,298,613 B2 11/2007 Yin et al.  
7,653,771 B2 1/2010 Liberty

(Continued)

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OTHER PUBLICATIONS

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

Chartier; "Preorders begin for iPhone, iPod touch game controller."  
Published Feb. 8, 2011; In Macworld website (online); [http://www.  
macworld.com/article/1157741/icontrapad.html](http://www.macworld.com/article/1157741/icontrapad.html); entire document  
especially p. 1.

(Continued)

(21) Appl. No.: **14/611,804**

(22) Filed: **Feb. 2, 2015**

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(65) **Prior Publication Data**

US 2015/0149668 A1 May 28, 2015

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 13/681,153,  
filed on Nov. 19, 2012, now Pat. No. 8,944,912, which  
is a continuation-in-part of application No.  
13/494,801, filed on Jun. 12, 2012, now Pat. No.  
9,005,026.

(51) **Int. Cl.**  
**A63F 9/24** (2006.01)  
**A63F 13/23** (2014.01)  
**G06F 13/12** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **A63F 13/23** (2014.09); **G06F 13/122**  
(2013.01)

(58) **Field of Classification Search**

None  
See application file for complete search history.

(57) **ABSTRACT**

A combination generally directed to a combination computing device and game controller. The computing device provides a plurality of sides, in which each of the sides are disposed between an electronic display screen and a back of the computing device. The game controller provides a communication port interacting with the computing device, the communication port providing a communication link and a pair of confinement structures, the pair of confinement structures adjacent to and confining the computing device on at least two opposing sides of the plurality of sides of the computing device, and an input device attached to and in electronic communication with the communication port. The input device is a separate and distinct structure from the communication port, forming no structural portion of the communication port.

**21 Claims, 23 Drawing Sheets**

